

ABSTRACT OF THE DISCLOSURE

5           An adjustable contaminated mixing apparatus includes a reactor head  
and a down tube extending from the reactor head. A plurality of ports are  
formed in the reactor head and configured to impart a spinning motion to the  
contaminated liquid as it passes from the reactor head into the down tube. Each  
port is adapted to receive a flow restrictor to permit selectively control of velocity  
and flow volume of the liquid through the down tube. Typically, the flow  
restrictors are removable flow restriction plugs inserted into in a removable  
10       cartridge of the reactor head.